AB The vapor-phase **catalytic** oxidative dealkylation of 2-methylpyridine in the presence of water vapor was investigated by using the statistical combined method of greek-**latin squares**. This afforded the selection of the optimal compn. of the metal oxidepromoted vanadium-molybdenum oxide catalyst, and the influence of the catalyst compn., reaction temp., contact time, and reagent ratio upon the compn. of the reaction products was detd.

AN 1971:518209 HCAPLUS
DN 75:118209

TI Dealkylation of methylpyridines and choice of a catalyst for the process studied by the method of combined design

AU Glemite, G.; Ulaste, V.; Avots, A.; Leitis, L.; Shimanskaya, M. V.
CS Inst. Org. Sint., Riga, USSR

SO Latvijas PSR Zinatnu Akademijas Vestis, Kimijas Serija (1971), (3), 365-71
CODEN: LZAKAM; ISSN: 0002-3248
DT Journal
LA Russian

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FILE 'BIOSIS, HCAPLUS, USPATFULL, BIOTECHDS, BIOTECHNO' ENTERED AT
     09:29:25 ON 16 JAN 2004
L1          6269 S LATIN (3A) SQUARE
L2         51173 S HIGH THROUGHPUT
L3            60 S CHTS
L4             4 S L1 (35A) L3
L5             4 DUP REM L4 (0 DUPLICATES REMOVED)
L6             1 S L1 (35A) L2
L7         46090 S COMBINATORIAL
L8       5173239 S REACTION
L9       1768362 S CATALY?
L10           10 S L1 (35A) L7
L11           10 S L1 (35A) L9
L12            9 S L11 NOT L10
L13            9 S L10 NOT L4
L14            9 DUP REM L13 (0 DUPLICATES REMOVED)
L15            8 S L12 NOT L4
L16            8 DUP REM L15 (0 DUPLICATES REMOVED)
L17       189851 S L8 (3A) (CONDITIONS OR FACTORS)
L18            2 S L1 (35A) L17
L19            2 S L18 NOT L4
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